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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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## DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)

Declaration Submitted with Initial Filing ⊠ OR Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16(e)) required)

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Attorney Docket Number	14912.833		
First Named Inventor	Stephen E. S	Savas	
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Application Number	_ 09/997,158		
Filing Date	11/28/2001	SEP 3 0 200	13
Group Art Unit	Unassigned	70.170	0
Examiner Name	Unassigned		

As a below named Inventor, I hereby declare that:										
My residence, post office	My residence, post office address, and citizenship are as stated below next to my name.									
I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:										
Systems and M	Systems and Methods for Enhancing Plasma Processing of a Semiconductor Substrate									
		(Title of the I	nvention)							
was filed on (MM/	(DD/YYYY)	11/28/2001	as United	States Applica	ation Number or F	PCT International				
Application Number 09/99	pplication Number 09/997,158 and was amended on (MM/DD/YYYY) [ ] (if applicable).									
I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.										
I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.										
certificate, or 365(a) of an America, listed below and l or of any PCT international	iy PCT interna have also iden	nder 35 U.S.C. 119(a)-(d) o tional application which des tified below, by checking the ying a filing date before that	signated at leas box, any foreig	it one country in application	other than the for patent or inversity is claimed.	United States of intor's certificate,				
Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Prior Not Cla		Certified Co YES	py Attached? NO				
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I hereby claim the benefit u  Application Number		119(h) of any United States		lication(s) liste	d below.					
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60/250,550  11/30/2000  Additional provision numbers are listed supplemental prior PTO/SB/028 attact					ers are listed on emental priority o	a lata sheet				

(Page 1 of 3)

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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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### **DECLARATION** — Utility or Design Patent Application

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of the application is not designated in the prior United States or PCT international application in the manner provided by the first paragraph of 31 U.S.C. 112. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filling date of the prior application and the national or PCT international filling date of this application.

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ddress	Wilson	n Sonsini Goodric	h & Ro	sati				**				
ddress	650 P	age Mill Road							,			
ity	Palo A	Mto	<del>,</del>				State	CA	ZIP	94304		
ountry	U.S.		Tele	phone	650-	493-	9300		Fax	650-493-6	811	
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Given N	Name	(first and middle	(if any	()				Fam	ily Nam	e or Surna	me	
		Stephen E.							Sa	ıvas		
nventor's Signatur	re									Date		
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ost Office Addres	s	47131 Bayside	Parkw	/ay								
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ity		Fremont	St	ate	CA		ZIP	9.	4538	Country	,	us
Additional invent	tors ar	e being named or	eing named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto:									

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#### **DECLARATION**

ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 1

Name of Additiona	I Joint Inventor	, if any:	ŀ		A petition	has bee	n filed f	or this unsig	ned	inventor	
Given Name	e (first and middle (	if any)				Farr	ily Nan	ne or Surnan	ne		
	John			Zajac							
Inventor's Signature				Date							
Residence: City	San Jose	State	C	A Country			US	Citizensh	nip	USA	
Post Office Address											
Post Office Address			-								
City	San Jose	State	CA ZIP 951				121	Country		US	
Name of Additiona	l Joint Inventor,	if any:		A petition has been filed for this unsigned inventor							
Given Name (first and middle (if any)				Family Name or Surname							
Mark J.							Ku	shner			
Inventor's Signature	Mark J. Kushner							Date	5	MAY 2003	
City	Urbana	State	IL		Country		US	Citizensh	ip	USA	
Post Office Address	1813 Brighton Dr	ive									
Post Office Address											
City	Urbana	State	ıL		ZIP	611	301	Country		us	
Name of Additional	Joint Inventor,	if any:			A petition l	as been	filed fo	or this unsig	ned	inventor	
Given Name	(first and middle (i	fany)				Fam	ily Nam	e or Surnam	ie		
	Ronald L.						Ki	nder			
Inventor's Signature								Date			
City	San Jose	State	CA	\	Country		US	Citizensh	ip	USA	
Post Office Address	ddress 20 Hensley St., Apt. 1										
Post Office Address											
City	San Jose	State	CA		ZIP.	951	112	Country		116	

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# DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)

Declaration Submitted with Initial Filing OR

Declaration
Submitted after Initial
Filing (surcharge
(37 CFR 1.16(e))
required)

Attorney Docket Number	14912.833	
First Named Inventor	Stephen E. S	Savas
COMPL	ÉTE IF KNOWN	Dr.
Application Number	09/997,158	TEGEN
Filing Date	11/28/2001	SEP 302
Group Art Unit	Unassigned	TC 12
Examiner Name	Unassigned	70

As a below named Inventor, I hereby declare that:									
· ·									
My residence, post office address, and citizenship are as stated below next to my name.									
I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:									
Systems and Methods for Enhancing Plasma Processing of a Semiconductor Substrate									
(Title of the Invention)									
the specification of which is attached hereto OR	is attached hereto								
was filed on (MM/	DD/YYYY)	11/28/2001	as United	States Applica	ation Number or F	CT International			
Application Number 09/997	7,158 and was	s amended on (MM/DD/YYY	Y) [ (if appli	icable).					
I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.									
I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.									
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Name	Micha	ael J. Murphy										1
Address	Wilso	n Sonsini Goodric	h & Rosati					1900				1
Address	650 F	Page Mill Road										1
City	Palo	Alto			State	•	CA	ZIP	94304			
Country	U.S.		Telephone		-493-9300			_Fax	650-493	-6811		1
I hereby declare that believed to be true; punishable by fine capplication or any pa	or impris	sonment, or both, u										
Name of Sole	or Fir	st Inventor:			A petitio	n has	s been file	d for th	is unsign	ed inve	entor	
Given	Name	(first and middle	(if any)	,			Fami	ly Nam	e or Surn	ame		
		Stephen E.	<u>//                                   </u>					Sa	vas			
Inventor's Signatu	ıre	Str	2	2-2					Date	723/	6. 1 20.3	
Residence: City		Fremont	State	CA	Cou	intry	ı	JS	Citizen	ship	USA	
Post Office Addres	ss	47131 Bayside F	Parkway			,			1			
Post Office Addres	ss											

CA

Additional inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto:

ZIP

94538

Country

US

State

Fremont

City

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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#### **DECLARATION**

### ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 1

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Name of Additiona	Name of Additional Joint Inventor, if any:				A petition has been filed for this unsigned in the flor							
Given Name	e (first and middle	e (if any)		ļ		Family Nan	ne or Surname	TC 17				
	John					Z	Zajac					
Inventor's Signature							Date					
Residence: City	San Jose	State	CA	<b>\</b>	Country	us	Citizenshi	D USA				
Post Office Address	1137 Angmar	Court										
Post Office Address												
City	San Jose	State	CA	<b>\</b>	ZIP	95121	Country	US				
Name of Additiona	I Joint Invento	or, if any:		A petition has been filed for this unsigned inventor								
Given Name (first and middle (if any)				Family Name or Surname								
Mark J.						Ku	shner					
Inventor's Signature						Date						
City	Urbana	State	IL.		Country	us	Citizenship	USA				
Post Office Address	1813 Brighton	Drive										
Post Office Address				·								
City	Urbana	State	닏		ZIP	61801	Country	us				
Name of Additional	l Joint Invento	or, if any:	A petition has been filed for this unsigned inventor									
Given Name	e (first and middle	(if any)				Family Nam	ne or Surname					
	Ronald L.					Ki	nder					
Inventor's Signature							Date					
City	San Jose	State	CA		Country	us	Citizenship	USA				
Post Office Address	20 Hensley St.	, Apt. 1										
Post Office Address												
City	San Jose	State	CA		ZIP	95112	Country	us				

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DECLARATION FOR UTILITY OR DESIGN DESIGN PATENT APPLICATION (37 CFR 1.63) Declaration Submitted With Initial	V L Cr						
DESIGN PATENT APPLICATION (37 CFR 1.63)  Declaration Submitted with Initial Filing Surcharge (37 CFR 1.16(e))  As a below named Inventor   I hereby declare that: My residence, post office address, and citizenship are as stated below next to my name   Declaration   Dec	,	DECLARATION	I FOR UTILITY	OR Attorne	y Docket Number	14912.833	
Application Number   O9/997,158   Submitted   OR   Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16(e))   required)   Filing Date   11/28/2001   SEP   Or   Filing Date   11/28/2001   SEP   Or   Or   Or   Or   Or   Or   Or   O	20 1 3 5003	DE DE	SIGN		amed Inventor		Savas
Submitted with Initial Filling (surcharge (37 CFR 1.16(e)) required)  As a below named Inventor   hereby declare that:  My residence, post office address, and citizenship are as stated below next to my name    believe   am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:    Systems and Methods for Enhancing Plasma Processing of a Semiconductor Substrate	K <sup>T</sup>	🏄 PAIENIA	APPLICATION		COMPLET	TE IF KNOWN	
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As a below named Inventor I hereby declare that:  My residence, post office address, and citizenship are as stated below next to my name  I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:  Systems and Methods for Enhancing Plasma Processing of a Semiconductor Substrate  (Title of the Invention)  the specification of which is attached hereto OR  was filed on (MM/DD/YYYY) 11/28/2001 as United States Application Number or PCT International Application Number (09/997.158) and was amended on (MM/DD/YYYY) (if applicable).  I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.  I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.  I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or of any PCT international application having a filing date before that of the application on which priority is claimed.  Prior Foreign Application Number(s)  Country  Foreign Filing Date (MM/DD/YYYY)  Not Claimed  Priority  Certified Copy Attached?  YES  NO		with initial			Art Unit	Unassigned	SED > 0 20
My residence, post office address, and citizenship are as stated below next to my name  I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:    Systems and Methods for Enhancing Plasma Processing of a Semiconductor Substrate					ner Name	Unassigned	JEF 3 17 20
My residence, post office address, and citizenship are as stated below next to my name  I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:  Systems and Methods for Enhancing Plasma Processing of a Semiconductor Substrate  (Title of the Invention)  the specification of which  is attached hereto  OR  was filed on (MM/DD/YYYY)  11/28/2001  as United States Application Number or PCT Internationa  Application Number 09/997.158 and was amended on (MM/DD/YYYY)  (if applicable).  I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.  I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.  I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States o America, listed below and have also identified below, by checking the ox, any foreign application for patent or inventor's certificate or of any PCT international application having a filing date before that of the application on which priority is claimed.  Prior Foreign Application  Number(s)  Country  Foreign Filing Date  (MM/DD/YYYY)  Not Claimed  Priority  Certified Copy Attached?  YES  NO							C 170
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		is attached heretoor OR was filed on (MM/Application Number 09/99) I hereby state that I have amended by any amendmed acknowledge the duty to define the detail of the certificate, or 365(a) of an America, listed below and I	7.158 and was amended reviewed and understant specifically referred to disclose information which with the properties of	/28/2001  ed on (MM/DD/YYY) tand the contents of above.  the is material to pate  J.S.C. 119(a)-(d) or plication which desponds by checking the	as United States App  (if applicable).  If the above identified spentability as defined in 37 (  365(b) of any foreign a ignated at least one could box, any foreign application.	cecification, including the control of the control	r PCT International ing the claims, as atent or inventor's e United States of ventor's certificate,
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Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/028 attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(h) of any United States provisional application(s) listed below.

Application Number(s)

Filing Date (MM/DD/YYYY)

60/250,550

11/30/2000

Additional provisional application numbers are listed on a supplemental priority data sheet

(Page 1 of 3)

PTO/SB/028 attached hereto.

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<b>DECLARATION</b> — Utilit	y or D	Design I	Patent A	۱p	plicatio	n
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I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of the application is not designated in the prior United States or PCT international application in the manner provided by the first paragraph of 31 U.S.C. 112. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

between the filing	date of	the prior application	and the na	itional or I	PCT in	iternational f	filing da	ite of this	application	1.	
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Direct all corresp	ondence	e to: 🛛 Customer I or Bar Cod			02	1971		OR 🗆	Correspond	dence address belo	)W
Name	Micha	el J. Murphy							<u>.</u>		
Address	Wilso	n Sonsini Goodrich 8	3 Rosati					<del></del>			
Address	650 P	age Mill Road							T		
City	Palo /	Alto				State	CA	ZIP	94304	an.,,,	
Country	U.S.		Telephone		-493-9			Fax	650-493-6		
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Name of Sole	or Fir	st Inventor:			A pe	etition has b	een fil	ed for th	nis unsigne	d inventor	
Giver	Name	(first and middle (if	fany)				Fam	nily Nam	e or Surna	me	
		Stephen E.						Sa	avas		
Inventor's Signat	ure								Date		
Residence: City		Fremont	State	CA		Country		us	Citizens	hip USA	
Post Office Addre	ess	47131 Bayside Pa	arkway		<del></del>						
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City		Fremont	State	CA		ZIP		4538	Country		
	ntors ar	re being named on th	ne <u>1</u> supple	emental A	ddition	nal Inventor(	s) shee	t(s) PTO	/SB/02A att	ached hereto:	

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#### **DECLARATION**

ADDITIONAL INVENTOR Supplemental Sheet Page \_1 of \_1

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Name of Additiona	I Joint Inventor	r, if any:		☐ A petition has been filed for this unsigned inventor						
Given Nam	e (first and middle	(if any)					Family Nam	e or Surnar	ne	
	John			Zajac						
Inventor's Signature	. /	1-0		) )	Si .			Date	Date 5/3/07	
Residence: City	San Jose	State //	d	<u>/</u> /	Country	,	US	Citizens	hip	USA
Post Office Address	1137 Angmar Court									
Post Office Address										
City	San Jose	State	C	4	ZIP		95121	Country		US
Name of Additional Joint Inventor, if any:									inventor	
Given Name (first and middle (if any) Family Nam							Family Name	or Surnan	1e	
	Mark J.						Kus	hner		
Inventor's Signature								Date		
City	Urbana	State	IL	_	Country		us	Citizensh	iip	USA
Post Office Address	1813 Brighton D	rive								
Post Office Address								****		
City	Urbana	State	IL		ZIP		61801	Country		US
Name of Additional	Joint Inventor,	if any:			A petition	has	been filed for	this unsig	ned	inventor
Given Name	(first and middle (i	fany)					Family Name	or Surnam	e e	
	Ronald L.						Kin	der		
Inventor's Signature								Date		
City	San Jose	State	CA		Country		US	Citizensh	ip	USA
Post Office Address	20 Hensley St., A	pt. 1								
Post Office Address		·								
City	San Jose	State	CA		ZIP		95112	Country		US

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OR

with Initial Filing

Submitted after Initial Filing (surcharge (37 CFR 1.16(e)) required)

Attorney Docket Number	14912.833	
First Named Inventor	Stephen E.	Savas
COMPLE	TE IF KNOWN	
Application Number	09/997,158	DECE
Filing Date	11/28/2001	710-0
Group Art Unit	Unassigned	SEP
Examiner Name	Unassigned	TO

As a below named Invento	or, I hereby de	eclare that:				
My residence, post office	address, and	citizenship are as stated belo	ow next to my na	ame.		
I believe I am the original names are listed below) or	, first and sole f the subject n	e inventor (if only one name natter which is claimed and f	is listed below) or which a pater	or an original it is sought on	first and joint in the invention ent	ventor (if plural itled.
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(Page 1 of 3)

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Country U.S. Telephone 650-493-9300 Fax 650-493-6811

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Additional registered practitioner(s) named on supplemental Registered Practitioner Information sheet PTO/SB/02C attached hereto.

021971

State

Name of Sole or Fi	rst Inventor:		□ A	A petition has been filed for this unsigned inventor  Family Name or Surname  Savas  Date  CA Country US Citizenship  CA ZIP 94538 Country  Ital Additional Inventor(s) sheet(s) PTO/SB/02A attached he	ntor		
Given Nam	e (first and midd	le (if any)			Family Nam	e or Surname	
	Stephen E.				Sa	avas	
Inventor's Signature						Date	
Residence: City	Fremont	State	CA	Country	us	Citizenship	USA
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Post Office Address							
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Additional inventors	are being named o	on the 1 suppler	nental Addit	ional Inventor(s)	sheet(s) PTC	SB/02A attached	hereto:

Direct all correspondence to: 

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Address

City

Michael J. Murphy

650 Page Mill Road

Palo Alto

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DECLARATION
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## ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 1

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Name of Additiona	al Joint Inventor,	if any:			A petition t	nas been filed fo	or this unsig	gned	invertor 0 20
Given Nam	e (first and middle (i	f any)				Family Nam	e or Surnan	ne	ر المراجع الم
	John					Zá	njac		- C 170
Inventor's Signature		· · · · · · · · · · · · · · · · · · ·	<del></del>		r	<u> </u>	Date		
Residence: City	San Jose	State	CA	4	Country	US	Citizensl	nip	USA
Post Office Address	1137 Angmar Co	urt							
Post Office Address				,		F			
City	San Jose	State	CA	4	ZIP	95121	Country		us
Name of Additiona	ıl Joint Inventor,	if any:			A petition h	nas been filed fo	or this unsig	ned	inventor
Given Nam	e (first and middle (i	f any)				Family Nam	e or Surnan	ne	
	Mark J.					Kus	hner	,	
Inventor's Signature		<del></del>					Date		
City	Urbana	State	IL		Country	us	Citizensi	nip	USA
Post Office Address	1813 Brighton Dr	rive							
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City	Urbana	State	1L		ZIP	61801	Country		us
Name of Additiona	ıl Joint Inventor,	if any:			A petition h	nas been filed fo	or this unsig	ned	inventor
Given Nam	e (first and middle (i	f any)				Family Nam	e or Surnan	ne	
	Ronald L.	<b>,</b>				Kir	nder		
Inventor's Signature	Ronald	Kim	al				Date	5	17103
City	San Jose	State	CA	١	Country	us	Citizens	nip	USA
Post Office Address	20 Hensley St., A	pt. 1							
Post Office Address				,	,		·		
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